

# **Portugal Porto promotes wind power without energy storage**





## Overview

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Why is wind energy important in Portugal?

Its potential is even greater Wind energy is a major source of electricity in Portugal, and the wind supply chain has a strong footprint there. Whilst offshore wind offers new perspectives, the speedy permitting and repowering of onshore wind farms remain key for the country to keep reaping the fruits of wind energy.

What is Portugal's wind repowering strategy?

With strategic regulatory support and advancements in forecasting technology, Portugal's wind repowering strategy is set to enhance renewable energy generation, reduce dependence on imports, and reinforce its position as a leader in sustainable energy.

Is onshore wind a renewable source for Portugal?

Onshore wind has been one relevant renewable source for Portugal since the 2000 s. Capacity was promoted by attractive public policies (such as feed-in tariffs). There has been controversy on the level of tariffs and the margins of owners. The status of onshore wind, including farm operational margins, is discussed.

How many offshore wind projects are there in Portugal?

The country has just one offshore wind project that started operations four years ago. The Global Wind Energy Council has reported that Portugal has 131 GW of offshore wind potential, of which 117 GW (89%) should be floating due to the conditions of the seabed off the country's Atlantic coast.



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Wind energy offers many benefits to ...

Jan 17, 2024 · Wind energy is a major source of electricity in Portugal, and the wind supply chain has a strong footprint there. Whilst offshore wind ...

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Portugal maintains a high share of renewables despite the ...

Mar 20, 2025 · The decline in wind power generation affected the energy balance, forcing an increase in electricity imports and greater use of thermal generation in the energy mix. The ...

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Wind energy grows, but Portugal remains far from climate ...

Jun 15, 2025 · The latest report from the Portuguese Renewable Energy Association (APREN) and the Institute of Science and Innovation in Mechanical and Industrial Engineering (INEGI) ...

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Portugal needs more wind capacity to replace ...

Oct 28, 2024 · Portugal must accelerate wind deployment to achieve the country's 2030 target of having a 51% share of renewables in final energy ...

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Portugal's ageing wind fleet undermines energy transition, ...

Between 2030 and 2035, Portugal will experience a concentrated repowering phase. MADRID (AURORA ENERGY RESEARCH)--Portugal's onshore wind power sector is at the forefront of ...

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Portugal needs more wind capacity to replace rising Spanish ...

Oct 28, 2024 · Portugal must accelerate wind deployment to achieve the country's 2030 target of having a 51% share of renewables in final energy consumption.

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Wind energy offers many benefits to Portugal. Its potential is ...

Jan 17, 2024 · Wind energy is a major source of electricity in Portugal, and the wind supply chain has a strong footprint there. Whilst offshore wind offers new perspectives, the speedy ...

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Portugal Breaks New Records in Wind Power and Pumping

Nov 27, 2024 · Between January and October, renewable energy supplied 72% of electricity consumption in Portugal. During this period, hydropower was responsible for supplying 30% of ...

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How Porto is Leading the Charge in Wind Energy Without Storage

SunContainer Innovations - Portugal's Porto region has become a laboratory for wind energy innovation. While most renewable projects rely on storage systems, Porto's approach ...

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Onshore wind in Portugal: History, supporting policies, ...

Jun 1, 2024 · Onshore wind energy is currently playing a crucial role in Europe's decarbonization efforts. Among other European countries, Portugal is recognized as a successful example of ...

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ENERGY PROFILE Portugal

Onshore wind: Potential wind power density (W/m<sup>2</sup>) is shown in the seven classes used by NREL, measured at a height of 100m. The bar chart shows the distribution of the country's land area ...

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Report 2022 Portugal

Oct 4, 2023 · Portugal additionally aims to allow the hybrid-isation of existing wind power plants with other renewable power sources and/or storage systems sharing a single interconnection ...

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